

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A motor vehicle, comprising:
at least one electric motor;
an energy storage device for providing drive energy for the electric motor;
a plug connector connected to the energy storage device for connection to a current source; and
a control means for controlling the flow of current through between the current source and the energy storage device, wherein the control means permits a flow of current from the energy storage device to the current source, -and the control means includes a device for detecting the an amount of charge in the energy storage means device and interrupts the flow of current from the energy storage device to the network when current source if a predeterminable threshold value of the a remaining residual charge amount is reached, wherein the control means is programmable to allow discharge of the energy storage device by the flow of current from the energy storage device to the current source only during a predeterminable time period that is set by a user.
2. (Canceled)
3. (Currently Amended) A motor vehicle as set forth in claim 1, characterised by further comprising a communication device for communication between the control means and the an electrical supply network that includes the current source.
4. (Currently Amended) A motor vehicle as set forth in claim 1 characterised in that wherein the control means includes a clock or is connected to a clock.

5. (Currently Amended) A method of controlling the flow of current between an energy storage device and an energy supply network, the method comprising:
~~characterised in that the~~

obtaining user input that programs a discharge of the energy storage device by a flow of current from the energy storage device to the network only during predeterminable periods of time;

permitting flow of current from the network to the energy storage device is ~~permitted in predeterminable first periods of time; and that the~~

permitting flow of current from the energy storage device to the network is ~~permitted in also predeterminable second periods of time~~ as programmed by the user input.

6. (Canceled)

7. (Currently Amended) A motor vehicle as set forth in claim 1 wherein
~~characterised in that by means of the control means can control charging of the energy storage device is charged with controlled electrical energy when if the energy storage device is connected to an electrical supply network that includes the current source.~~

8. (Currently Amended) A motor vehicle as set forth in claim 1,
~~characterised in that there are provided further comprising input means which that are coupled to the control means and by means of through which the user of the vehicle can set the time (period of time); within which to at least partially implement the discharge of the storage device and thus feed of the energy into the an electrical supply network can be at least partially implemented that includes the current source.~~

9. (Currently Amended) A motor vehicle as set forth in claim 1, further comprising ~~characterised in that associated with the control means is a power management program associated with the control means which, when if the vehicle is connected to an~~

electrical supply network that includes the current source, causes an automatic charging or discharging operation for the energy storage device.

10. (Currently Amended) An electrical supply network, comprising:
~~with a multiplicity of connections for a motor vehicles, at least some of the as set forth in claim 1~~ motor vehicles including:

at least one electric motor;
an energy storage device to provide drive energy for the electric motor;
a plug connector coupled to the energy storage device and that can be coupled to one of the multiplicity of connections of the electrical supply network; and
a control unit to control flow of current between the electrical supply network and the energy storage device, wherein the control unit permits a flow of current from the energy storage device to the electrical supply network, and the control unit includes a device for detecting an amount of charge in the energy storage device and interrupts the flow of current from the energy storage device to the current source if a predeterminable threshold value of a remaining residual charge amount is reached, wherein the control unit is programmable to allow discharge of the energy storage device by the flow of current from the energy storage device to the electrical supply network only during a predeterminable time period that is set by a user.

11. (Currently Amended) A method of operating an electrical supply network to service motor vehicles including at least one electric motor, an energy storage device to provide drive energy for the electric motor, a plug connector connected to the energy storage device for connection to the electrical supply network, and a control unit to permit and control flow of current between the electrical supply network and the energy storage device, the method comprising: ~~as set forth in claim 10 characterised in that~~

permitting flow of current from the electrical supply network to appropriate ones of the energy storage devices in predeterminable first periods of time and based at least in part on detected amounts of energy in each energy storage device;

permitting flow of current from appropriate ones of the energy storage device to the electrical supply network in predeterminable second periods of time and based at least in part on user input that programs discharge by the flow of current from the energy storage devices to the electrical supply network only during the second predeterminable periods of time; and

if required, triggering at least partial discharge of a plurality of energy storage devices, connected to the electrical supply network, of vehicles as set forth in one of the preceding claims, is triggered based at least in part on energy needs of the electrical supply network.

12. (Currently Amended) A motor vehicle as set forth in claim 1 ~~characterised in that~~wherein the vehicle is fitted with a current meter/energy cell ~~which that~~ measures the electrical energy received in the energy storage device and energy fed into the an electrical supply network that includes the current source.

13. (Currently Amended) A motor vehicle as set forth in claim 1, further comprising ~~characterised in that~~ ~~provided in a vehicle is a~~ recording unit provided in the vehicle ~~which that~~ establishes when and what amount of electrical energy was charged into the energy storage device or fed into the an electrical supply network that includes the current source.

14. (Currently Amended) A motor vehicle as set forth in claim 1, further comprising ~~characterised in that the vehicle has an~~ electrical connection plug ~~which that~~ can be connected to a corresponding connection plug of ~~the an~~ electrical supply network that includes the current source, wherein the connection plug of the vehicle has a ground line, by ~~means of~~ which data of the vehicle can be exchanged ~~by way of~~via a data network of the electrical supply ~~utility network~~ and in addition further data can be fed in ~~by way of~~via the data network, ~~for example~~including data about ~~the a~~ condition of the electrical storage device of the vehicle.

15. (New) The electrical supply network of claim 10 wherein if required, at least a partial discharge of a plurality of energy storage devices, coupled to the electrical supply

network by way of respective multiplicity of connections, of vehicles is triggered based at least in part on energy needs of the electrical supply network.

16. (New) The method of claim 11, further comprising interrupting the flow of current from appropriate ones of the energy storage devices to the electrical supply network if a predeterminable threshold value of a remaining residual charge amount in these energy storage devices is reached.

17. (New) The method of claim 11, further comprising discharging energy from a first motor vehicle's first energy device coupled to the electrical supply network, and supplying the discharged energy to charge at least a second motor vehicle's second energy device.